Abstract of the Disclosure

Provided are a method and apparatus for encoding and decoding digital data. The method includes: mapping a plurality of samples constituting the digital data onto bit planes; and selectively encoding all of bit-sliced data of the bit planes from bit-sliced data composed of most significant bits mapped onto the bit planes to bit-sliced data composed of least significant bits in consideration of an encoding efficiency or according to a transformed bit-sliced encoding method. Accordingly, an encoding efficiency can be increased.

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